

1 **SECTION 9-23, CONCRETE CURING MATERIALS AND ADMIXTURES**

2 **April 7, 2003**

3 **9-23.6 Admixture for Concrete**

4 This section is revised to read:

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6 Admixtures for use in concrete shall meet the following specifications:

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Admixture	Specification	
Air entraining	AASHTO M 154	ASTM C 260
Water Reducing	AASHTO M 194 Type A	ASTM C 494 Type A
Set Retarding	AASHTO M 194 Type B	ASTM C 494 Type B
*Accelerating	AASHTO M 194 Type C	ASTM C 494 Type C
Water Reducing/	AASHTO M 194 Type D	ASTM C 494 Type D
Set Retarding		
*Water Reducing/	AASHTO M 194 Type E	ASTM C 494 Type E
Accelerating		
High Range Water	AASHTO M 194 Type F	ASTM C 494 Type F
Reducing	and G	and G

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20 *Accelerating admixtures are only allowed in Portland cement concrete pavement
21 per Section 5.05, Cement Concrete Pavement and Section 5-05.3(1) Concrete Mix
22 Designs for Paving.

23

24 In addition to the above specifications, admixtures proposed for use shall contain less
25 than one percent chloride ion (Cl⁻) by weight of admixture and only non-chloride
26 accelerating admixtures shall be used.

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28 Acceptance of admixtures will be based on Manufacturer's Certificate of Compliance.

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30 If required by the Engineer, admixtures shall be sampled and tested before they are
31 used.

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33 Samples shall be submitted for testing 10 days prior to use.

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35 **9-23.9 Fly Ash**

36 The reference to "Table 1A" is revised to read "Table 2".